



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

Department of Natural Resources

DIVISION OF OIL AND GAS

550 W. 7th Avenue Suite 1100
Anchorage, Alaska 99501-3560
Main: 907.269.8800
Fax: 907.269.8939

October 17, 2022

PUID: LONS-97-007-PM090722A

Jennifer Collins
Senior Environmental Coordinator
ConocoPhillips Alaska, Inc.
PO Box 100360
Anchorage, AK 99501

RE: LONS 97-007, ConocoPhillips Alaska, Inc., Colville River Unit, Alpine Operations Center (AOC) on Colville Delta No. 1 (CD1), Shark Tooth Camp Installation Unit Plan of Operations Amendment Decision.

Dear Ms. Collins:

The Alaska Department of Natural Resources, Division of Oil and Gas (Division), in accordance with Alaska Statute 38.05 and Alaska Oil and Gas Leasing Regulations (11 AAC 83) grants authorization to conduct activities on state lands as proposed in the Colville River Unit (CRU) Plan of Operations (Plan) amendment application dated September 7, 2022 for the above referenced project.

Scope:

ConocoPhillips Alaska, Inc. is requesting authorization to place Shark Tooth Camp at the Alpine Operations Center (AOC) on Colville Delta No. 1 (CD1) gravel pad located in the Colville River Unit. Shark Tooth Camp will be moved from the Kuparuk Industrial Center (KIC) pad in the Kuparuk River Unit (KRU) and replace the C&D wings that are currently on CD1 gravel pad. The project consists of the demolition and disposal of the C&D wings, expansion of the CD1 gravel pad, installation of vertical support members (VSMs), installation and completion of tie-ins, and commissioning of the new camp. The total project will require 5,703 cubic yards of gravel and 231 cubic yards of slurry, impacting 0.49 acres of tundra. The purpose of the project is to replace occupancy currently provided by C&D wings, which have exceeded their design life. The project is anticipated to begin January 15, 2023, and first occupancy is expected by October 1, 2023.

Plan activities include:

- Demolish the existing C&D wings and dispose at the North Slope Borough Oxbow landfill.
- Place 5,703 cubic yards of clean gravel fill from Kuparuk Mine Site C in up to 0.49 acres of tundra on the east edge of the existing helicopter pad apron.
- Cut to grade level and abandon in place existing VSMs that support C&D wings.

- Install 132 new VSMs to a depth of 20 feet below grade:
 - o 110 VSMs will be installed on the tundra: eight, 12-inch VSMs and 102, 14-inch
 - o 22 VSMs will be installed on the gravel pad: one, 12-inch VSM and 21, 14-inch
- Conduct tie ins for the new camp consisting of potable water, waste, and fire water lines that will be run west of Central Facility Main 1 (CFM1) to the plumbing in Shark Tooth Camp. On-pad trenching will be required to connect the camp to existing nearby power utilities.

Location information:

CRU

AOC CD1

Meridian: Umiat Township: 12N Range: 5E Section: 32

70.34721, -150.92455 NAD83

ADL: 025558

CD1 is located approximately eight miles north of Nuiqsut.

Agency review:

The Division provided a review and comment opportunity for the activities considered for the authorization under this decision. The following government entities were notified on September 20, 2022, for comment on the Plan: US Army Corp of Engineers (USACE), Alaska Department of Environmental Conservation (ADEC), Alaska Department of Fish and Game (ADF&G), and Alaska Department of Natural Resources: Divisions of Mining, Land & Water (DMLW) and Oil and Gas (DOG), and the North Slope Borough (NSB). The comment deadline was 4:30 pm Alaska time on October 4, 2022. Timely comments were submitted by ADEC, DMLW, and the State Pipeline Coordinator's Section (SPCS). Refer to Appendix B of this document for comments and responses.

Conditions/Stipulations:

A certified As-Built Survey of the activity shall be provided within one year of placement of the improvement. This As-Built must contain a hard copy, as well as a digital GIS file containing a shapefile or ESRI Feature Class.

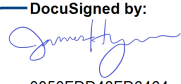
Please attach this amendment approval with the original decision. This unit operations amendment approval is issued in accordance with Alaska Statute 38.05, Alaska Administrative Codes 11 AAC 83.346 and 11 AAC 83.303. The Division reviewed this amendment under the unit regulation for the Plan, 11 AAC 83.346, and considers the factors set forth in 11 AAC 83.303(a) and (b). The amendment was also evaluated against the CRU agreement for conformance.

This approval signifies only that the State of Alaska has no objection to the operations outlined in the Plan amendment application. It does not constitute certification of any property right or land status claimed by the applicant nor does it relieve the applicant of responsibility to obtain approvals or permits from other persons or governmental agencies that may also be required. All stipulations contained in the original lease and subsequent Plan approvals remain in full force and effect.

If activities have not commenced, this approval expires on October 17, 2025. Failure to comply with the terms and conditions outlined in the lease, the attached stipulations, and this authorization may result in revocation of this unit operations approval.

Any questions or concerns about this amendment may be directed to Natural Resource Specialist Hayley Beitel at (907)269-8570 or emailed to hayley.beitel@alaska.gov.

Sincerely,

DocuSigned by:

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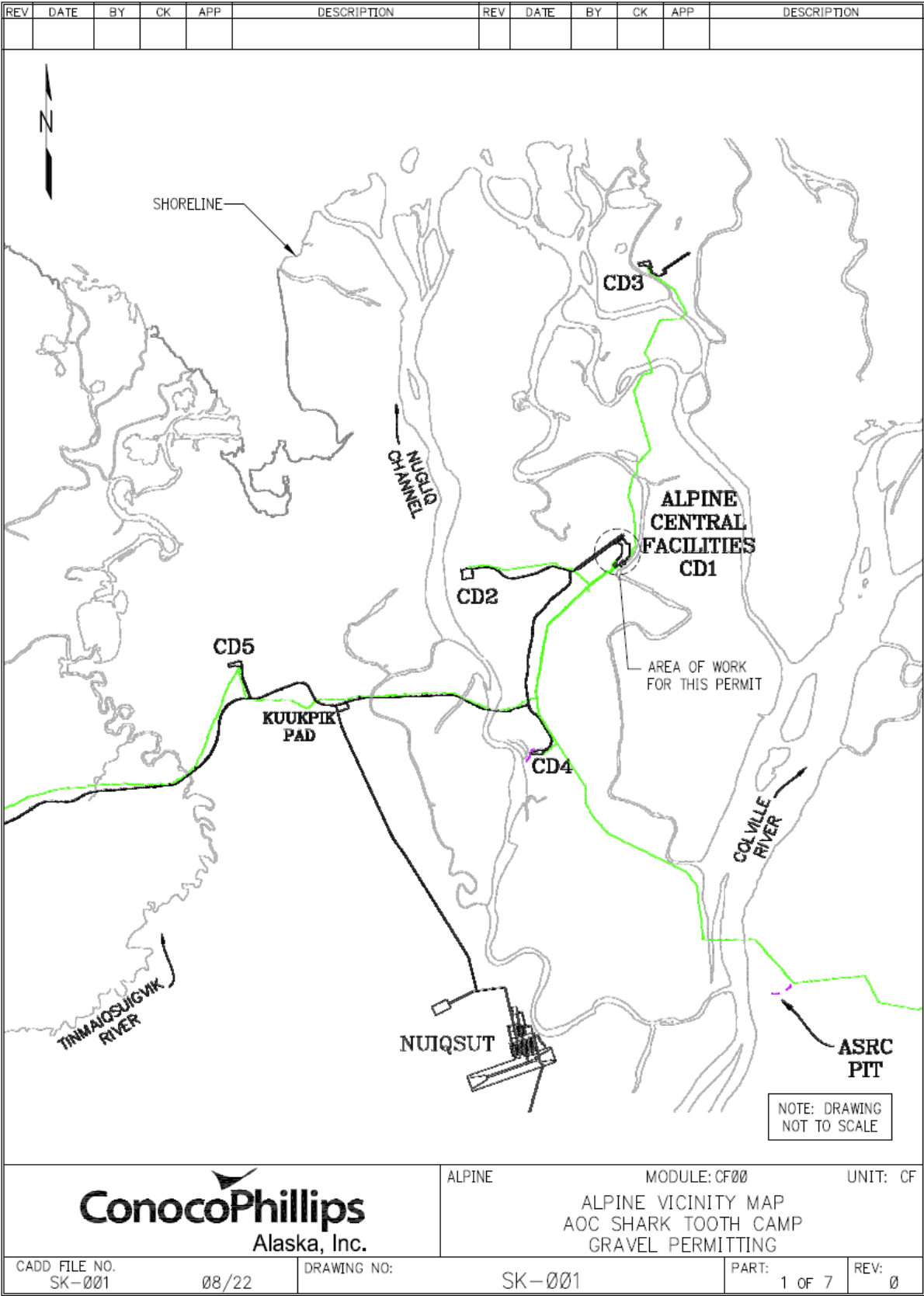
James Hyun
Natural Resource Specialist

A person affected by this decision may appeal it, in accordance with 11 AAC 02. Any appeal must be received within 20 calendar days after the date of “issuance” of this decision, as defined in 11 AAC 02.040(c) and (d) and may be mailed or delivered to the Commissioner, Department of Natural Resources, 550 W. 7th Avenue, Suite 1400, Anchorage, Alaska 99501; faxed to 1-907-269-8918, or sent by electronic mail to dnr.appeals@alaska.gov. Under 11 AAC 02.030, appeals and requests for reconsideration filed under 11 AAC 02 must be accompanied by the fee established in 11 AAC 05.160(d)(1)(F), which has been set at \$200 under the provisions of 11 AAC 05.160 (a) and (b). This decision takes effect immediately. If no appeal is filed by the appeal deadline, this decision becomes a final administrative order and decision of the department on the 31st calendar day after issuance. An eligible person must first appeal this decision in accordance with 11 AAC 02 before appealing this decision to Superior Court. A copy of 11 AAC 02 may be obtained from any regional information office of the Department of Natural Resources.

Attachments: Appendix A: Figures 1-10
Appendix B: Agency Comments
2018 North Slope Mitigation Measures

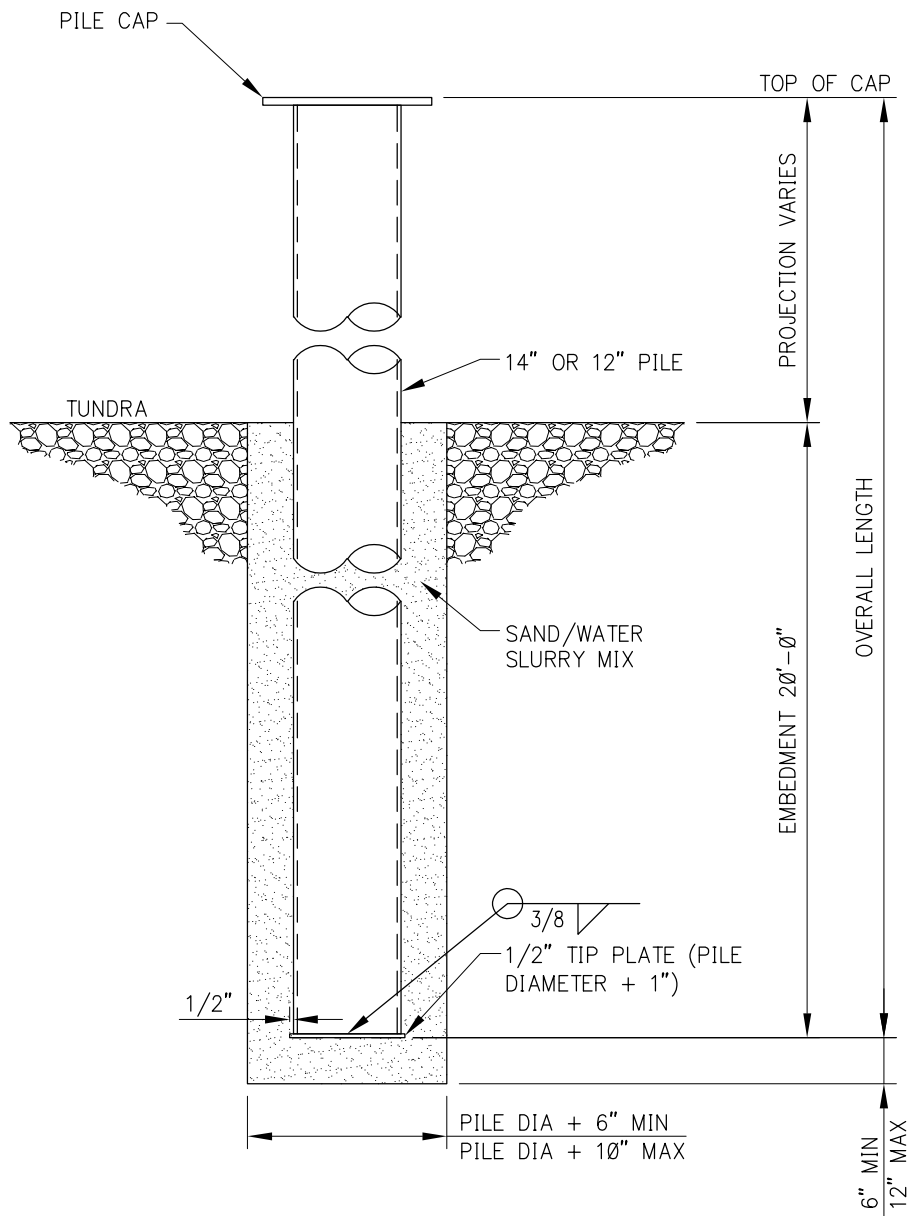
ecc: DOG: Graham Smith, Ashley Ethridge, Alexander Zinck, Hayley Beitel, Molly Fenton,
DOG Units, and SPCO Records
DMLW: DMLW North Slope, SAIL and Henry Brooks
ADF&G: Chelsea Clawson and Maria Wessel
ADEC: Laurie Silfven, DEC Water Oil and Gas, DEC Agency Reviews, and DEC
Contaminated Sites
Borough: North Slope Borough Planning and Permitting
Other: USACE

APPENDIX A: Figures



REV:	Ø
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REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION



VSM AT TUNDRA
SCALE: NTS

ConocoPhillips
Alaska, Inc.

ALPINE

MODULE: CF00

UNIT: CF

VSM DETAIL
AOC SHARK TOOTH CAMP
VSM PERMITTING

CADD FILE NO.
SK-004

08/22

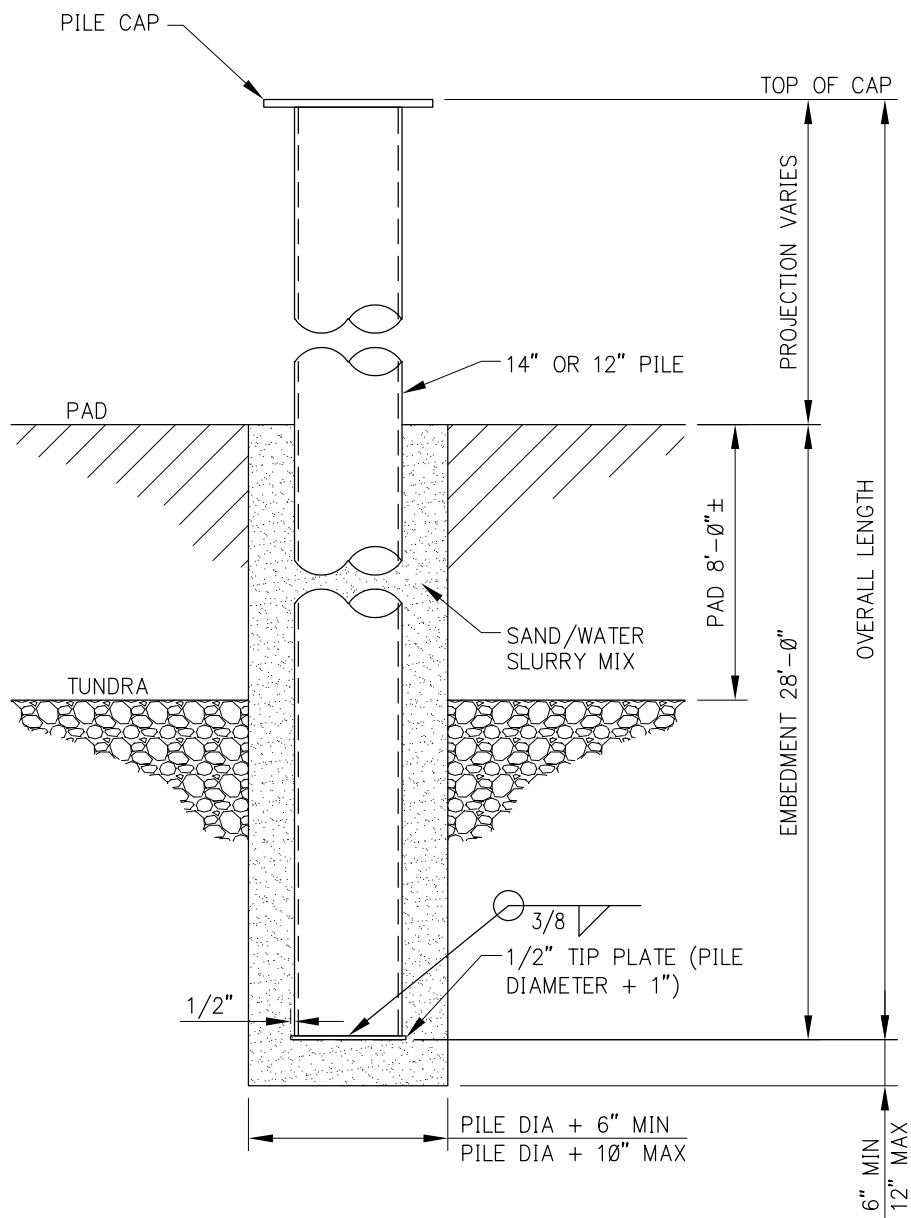
DRAWING NO:

SK-004

PART:
4 OF 7

REV:
0

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION



VSM AT PAD
SCALE: NTS



ALPINE

MODULE: CF00

UNIT: CF

VSM DETAIL
AOC SHARK TOOTH CAMP
VSM PERMITTING

CADD FILE NO.
SK-005

08/22

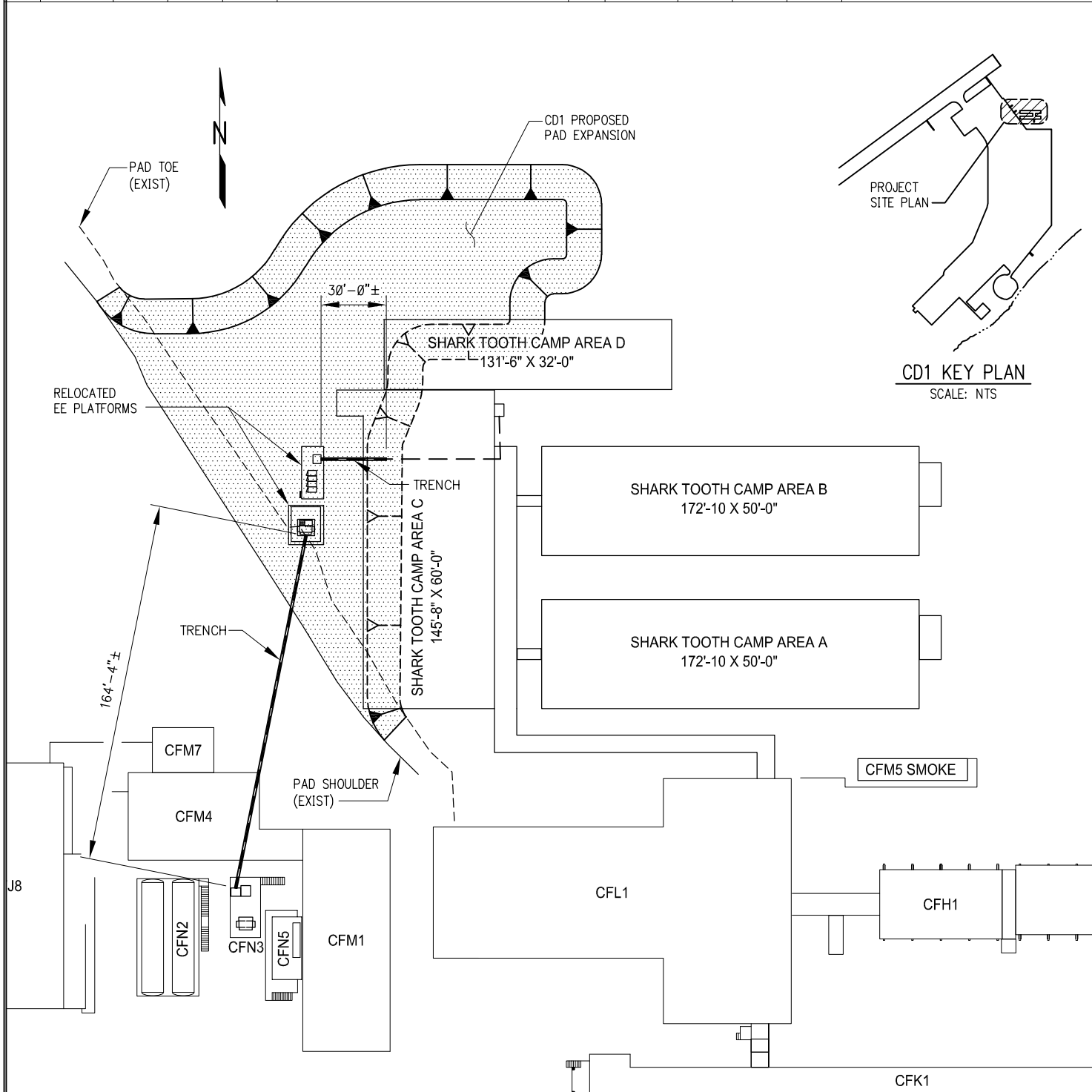
DRAWING NO:

SK-005

PART:
5 OF 7

REV:
0

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION



CD1 KEY PLAN
SCALE: NTS

CD1 TRENCHING PLAN
SCALE: NTS



ALPINE

MODULE: CF00

UNIT: CF

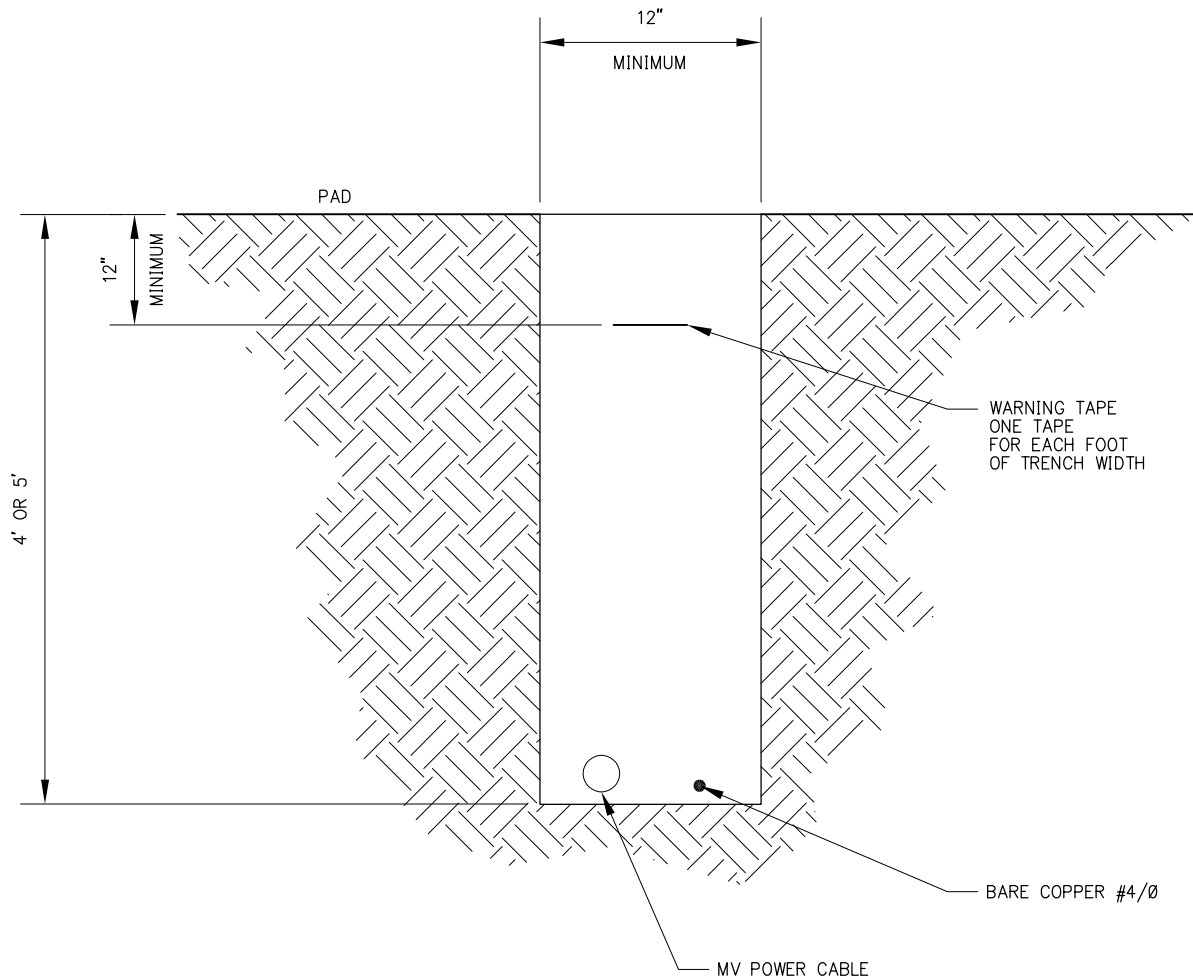
TRENCHING PLAN

AOC SHARK TOOTH CAMP

GRAVEL PERMITTING

CADD FILE NO. SK-006	08/22	DRAWING NO: SK-006	PART: 6 OF 7	REV: 0
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REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION



TRENCH SECTION
SCALE: NTS

ConocoPhillips
Alaska, Inc.

ALPINE

MODULE: CF00

UNIT: CF

TRENCHING SECTION
AOC SHARK TOOTH CAMP
GRAVEL PERMITTING

CADD FILE NO.
SK-007

08/22

DRAWING NO:

SK-007

PART:
7 OF 7

REV:
0



Alpine CD1 Camp Shark Tooth Camp Overview

Shark Tooth Camp

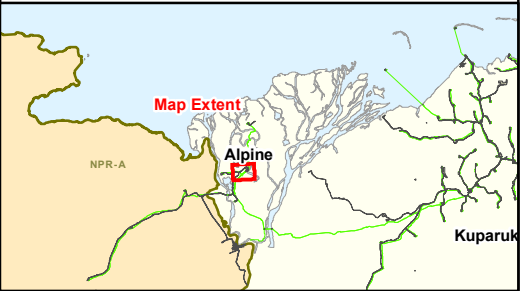
- Gravel Expansion
- VSM Installation Area

Infrastructure

- Pipeline
- Road
- Pad

Land Status

- Native Patented or IC
- State of Alaska



N



0 500 1,000 Feet

ConocoPhillips
Alaska, Inc.

August 3, 2022

Alpine CD1 Camp Shark Tooth Camp

Resource Development
District

Shark Tooth Camp

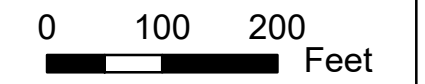
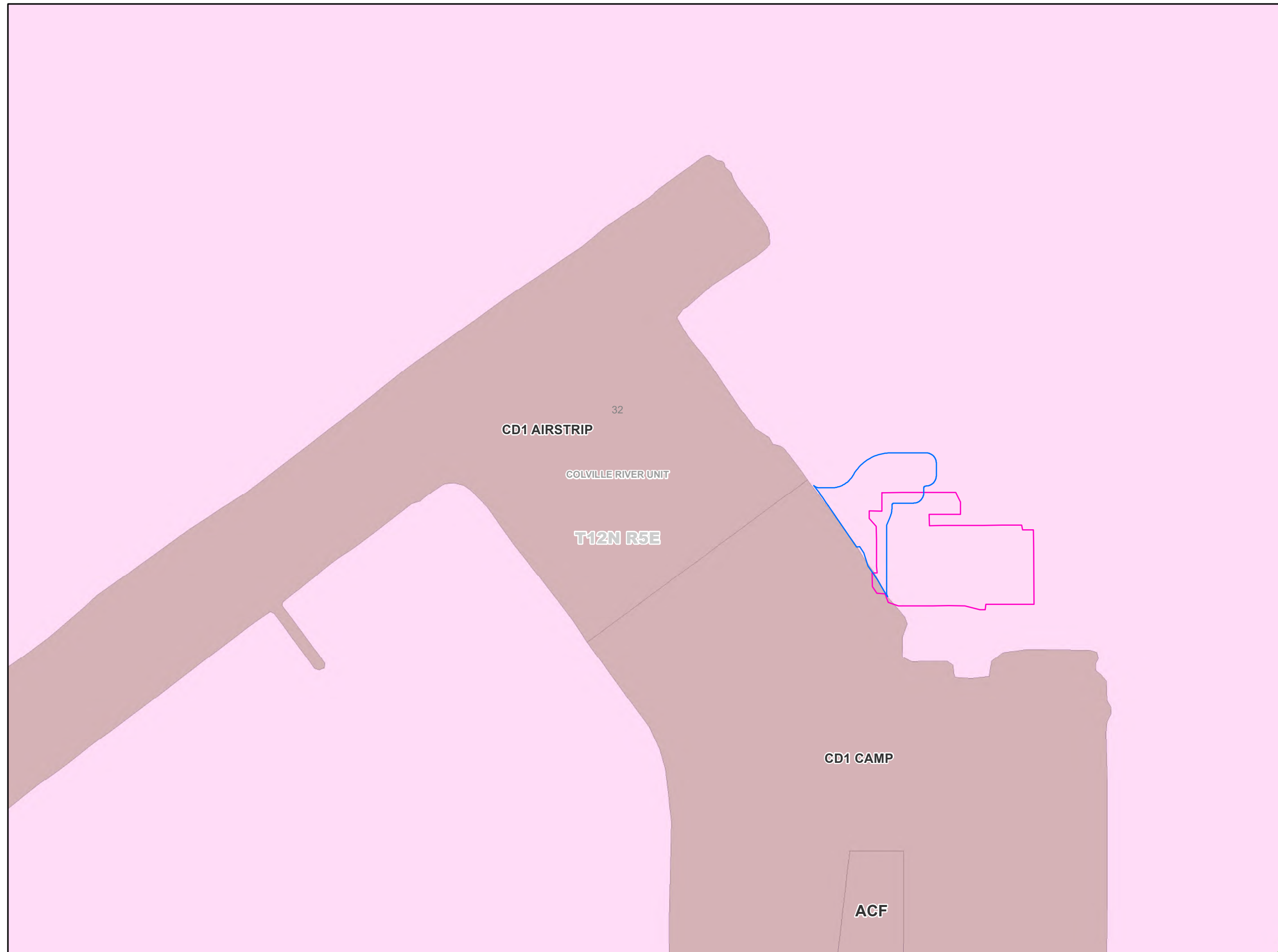
- VSM Installation Area
- Gravel Expansion

Resource Development Districts

- Alpine

Infrastructure

- Pad



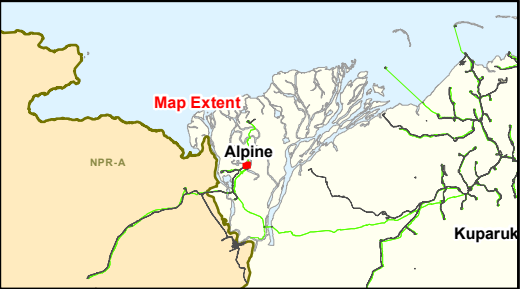
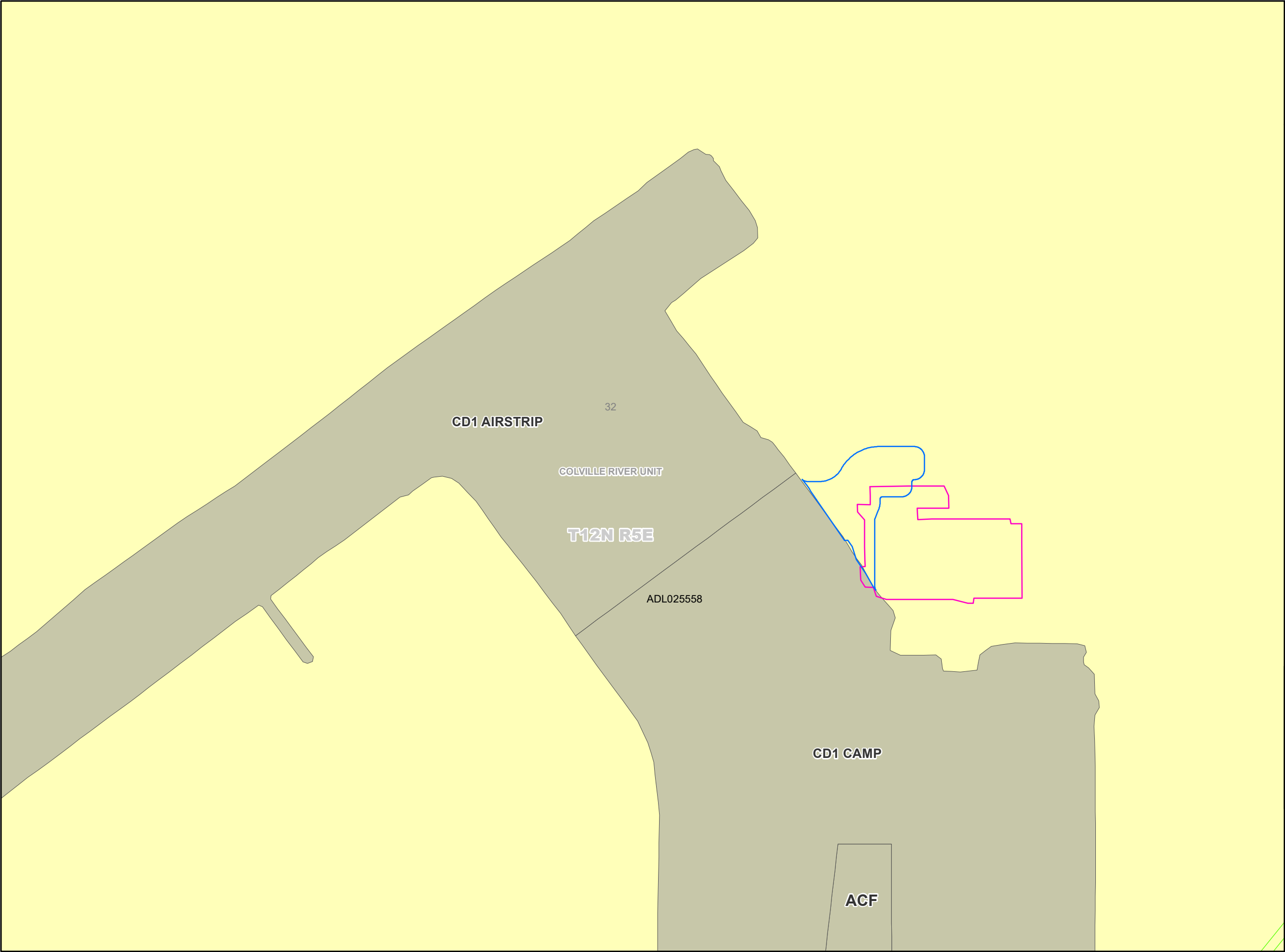
August 4, 2022

Alpine CD1 Camp
Shark Tooth Camp
Leases

- Shark Tooth Camp
- VSM Installation Area
 - Gravel Expansion

- Project Area Leases
- CPAI

- Infrastructure
- Pad



N



0 100 200 Feet

ConocoPhillips
Alaska, Inc.

August 4, 2022

APPENDIX B: Agency Comments and Division Responses

Alaska Department of Environmental Conservation's Comment (received September 26, 2022):

*Thank you for the opportunity to comment with respect to public water system (PWS) sources. Given the location(s) provided, this project is near an active registered PWS source (see attached "DEC_PWS_Map.jpg" and summary table below). For this reason, we ask that the applicant please adhere to the attached **Recommendations for General Project Activities near a PWS source**, where applicable.*

To access our interactive web map, which displays PWS source locations and Drinking Water Protection Areas, please visit: <https://www.arcgis.com/home/item.html?id=13ed2116e4094f9994775af9a62a1e85>.

Summary table

- **Public Water System ID (PWSID):** AK2333460
Water System Name: CONOCO PHILLIPS ALPINE OILFIELD
Water System Classification: Non-Transient Non-Community Water System

State Assigned Source ID: IN002
Source Name: INTAKE LAKE L9312 - PRIMARY SOURCE
Source Water Type: Surface Water
Source Facility Type: Intake
Drinking Water Watch has current sampling results and contact information.
- **Public Water System ID (PWSID):** AK2330076
Water System Name: AEC GMT1 CAMP KUUKPIK
Water System Classification:

State Assigned Source ID: IN006
Source Name: LAKE L9313 (NEAR ALPINE)
Source Water Type: Surface Water
Source Facility Type: Intake
Drinking Water Watch has current sampling results and contact information.

Alaska DEC Drinking Water Program home page.

Drinking Water Regulations: **18 AAC 80**.

Division Response: Noted and forwarded to the applicant.

Applicant's Response:

ConocoPhillips will adhere to the Recommendations for General Project Activities near a PWS source where applicable for the AOC Shark Tooth project.

DNR Division of Mining, Land, and Water Statewide Abatement of Impaired Land (SAIL) Section's Comments (received September 30, 2022)

Thank you for the opportunity for SAIL to review LONS 97-007 CPAI CRU Shark Tooth Camp Installation at AOC. SAIL has the following questions and comments:

- Please provide a copy of CPAI's Fieldwide Standard Operating Procedures to have on file in the case of an incident (as noted in the Mitigation Measures, page 28 of the document, under Fuel, Hazardous Substances and Waste).*
- How and where will burnable waste be addressed? Per the Mitigation Measures K.4.h. Solid, non-burnable waste will be deposited in large dumpsters located at the site.*

Division Response: Noted and forwarded to the applicant.

Applicant's Response:

- The CPAI Fieldwide Standard Operating Procedures are internal documents developed for safety purposes and to comply with state spill prevention regulations. The State-approved Alpine ODPCP provides information on CPAI's fuel transfer procedures, discharge prevention, and spill response and can be accessed on the ADEC website: <https://dec.alaska.gov/Applications/SPAR/PublicMVC/IPP/DownloadCPlanDocument/57195>*
- The demobilized C&D wing camp units will be taken to the Oxbow landfill. Burnable waste will be burned in Alpine's Incinerator.*

DNR State Pipeline Coordinator's Section's Comment (received October 5, 2022):

The State Pipeline Coordinator's Section (SPCS) has reviewed the Unit Plan Operations Amendment Application to place Shark Tooth Camp from the Kuparuk Industrial Center (KIC) pad to replace the C&D wings at the Alpine Operations Center (AOC) on Colville Delta No.1 (CD1) expanding the pad to accommodate this new building and installing new vertical support members. With AS 38.35 pipeline rights-of-way in the vicinity, this project has the potential to disturb pipeline activities thus the SPCS would request ConocoPhillips Alaska, Inc. (CPAI) to consult with the Pipeline Lessees to determine if a letter of non-objection is needed before the project begins.

Contact information for AS 38.35 Pipeline ROW Lessees:

Alpine Diesel (ADL 415932), Alpine Oil (ADL 415701), and Alpine Utility (ADL 415857) Pipelines

*ConocoPhillips Company
Cameron Reitmeier, Vice President
PO Box 100360, ATO 20-2044
Anchorage, AK 99510-0360
907-265-6412*

cameron.reitmeier@conocophillips.com

Please cc: sandra.m.pierce@conocophillips.com

Nuiqsut Natural Gas Pipeline, ADL 416202

North Slope Borough
Scott Danner, Director of Public Works
P.O. Box 350
Utqiaġvik (Barrow), AK 99723
(907) 852-0489
scott.danner@north-slope.org

Division Response: Noted and forwarded to the applicant.

Applicant's Response:

I have consulted with the operator of the Alpine pipeline ROWs for the Shark Tooth project and we are in agreement that the proposed location to install the CPAI CRU Shark Tooth Camp and gravel pad expansion is significantly outside of the Alpine Pipeline ROWs and will not pose any integrity concerns to the Alpine Pipelines or their ROWs.